BTEC Assignment Brief

Qualification	Pearson BTEC International Level 3 Certificate in Land-based Studies Pearson BTEC International Level 3 Subsidiary Diploma in Land-based Studies Pearson BTEC International Level 3 Foundation Diploma in Horticulture Pearson BTEC International Level 3 Diploma in Horticulture Pearson BTEC International Level 3 Extended Diploma in Horticulture
Unit number and title	Unit 38: Protected Horticultural Crop Production
Learning aim(s)	**B:** Carry out the establishment and maintenance of protected horticultural crops **C:** Use accepted working practices to carry out harvesting, grading and storage of protected horticultural crops
Assignment title	**Practical portfolio**
Assessor	
Issue date	
Hand in deadline	

Vocational Scenario or Context	You are working as an assistant manager at a farm that produces a variety of different protected crops. In your role you are required to carry out the routine husbandry of the different crops including establishing news plants and maintaining plants.
Task 1	Produce a portfolio of practical evidence demonstrating your ability to establish and maintain protected horticultural crops. Evidence for the portfolio could include: observation records, witness testimony, personal statements, diary of activities, annotated photographic evidence, video diary, video evidence etc. In your portfolio provide evidence of your: • preparing, using and operating tools and equipment to complete husbandry tasks • understanding the impact of husbandry tasks completed on the establishment and good maintenance of plants • understanding the importance of plant health, including identification of pests and disease upon the maintenance of plants • working safely throughout, using good health and safety practices.
Checklist of evidence required	Portfolio of evidence.

Criteria covered by this task:	
Unit/Criteria reference	To achieve the criteria you must show that you are able to:
B. D2	Carry out, with a high degree of accuracy, tasks to establish and maintain protected horticultural crops.
B.M2	Efficiently carry out tasks to establish and maintain protected horticultural crops.
B.P3	Competently carry out tasks to establish protected horticultural crops.
B.P4	Competently carry out tasks to maintain protected horticultural crops.

Task 2	Produce a portfolio of practical evidence demonstrating your ability to harvest, grade and monitor protected horticultural crops. Your portfolio could include: observation records, witness testimony, personal statements, diary of activities, annotated photographic evidence, video diary, video evidence etc. Review the impact of your personal performance of the growing, harvesting and storage tasks carried out, on the quality of the plants produced. Your portfolio should include evidence of your: • harvesting, loading, grading and storing protected horticultural crops appropriately, safely and efficiently • understanding of the links between these processes and the overall quality of the horticultural crops • understanding the impact on horticultural crops of processes relating to their storage, including hygiene, reducing pest infestations and monitoring. Use accurate appropriate terminology throughout.
Checklist of evidence required	Portfolio of evidence.

Criteria covered by this task:	
Unit/Criteria reference	To achieve the criteria you must show that you are able to:
C.D3	Carry out the harvesting, grading and monitoring of protected horticultural crops with a high degree of accuracy, evaluating the impact of growing, harvesting and storage of the crops on the quality of the final product.
C.M3	Efficiently carry out protected crop harvesting, grading and monitoring tasks to meet objectives, relating the results of monitoring to crop harvesting, grading and cleaning requirements in the given storage facilities.
C.P5	Competently carry out a crop harvesting and grading task for protected horticultural crops to meet objectives.
C.P6	Competently carry out a protected horticultural crop monitoring task to meet objectives in given storage facilities.

Sources of information to support you with this Assignment	**Books** Singh,DK, Peter, KV (2014) *Protected cultivation of horticultural crops*, NIPA Publishing, ISBN 978 9383305155 Heuvelink, E (2018) *Tomatoes (Crop Production Science in Horticulture)*, CABI publisher, ISBN 978 1780641935 Bosland, PW, Votava, EJ (2012) *Peppers: Vegetables and Spice Capsicums (Crop Production Science in Horticulture)*, CABI publisher, ISBN 978 1845938253 **Journals/Magazines** Garden News Gardeners' World Farmers' Weekly